HE UNITED STATES PATENT AND TRADEMARK OFFICE

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Patent Application No. 10/530,169

Applicant: Tanaka et al.

Filed: July 18, 2005

TC/AU: 1645

Examiner: Unassigned

Docket No.: 235032 (Client Reference No. 201323)

Customer No.: 23460

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

within any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date

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		rst Office Action on the merits; or (d) before the mailing of a first Office Action he filing of a request for continued examination under 37 CFR 1.114.					
	37 CF	after (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes <i>one</i> of:					
		the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).					
	\Box	the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).					
	under and or 37 CF	the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance 37 CFR 1.311, or an action that otherwise closes prosecution in the application, a or before payment of the issue fee, and includes the Statement under R 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as the in 37 CFR 1.17(p) (see "Fees" below).					
	payme contai 37 CF \$180 a NOTE: May 29	the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before ent of the issue fee, and within thirty days of receiving each item of information ned in the Information Disclosure Statement, and includes the Statement under R 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of as set forth in 37 CFR 1.17(p) (see "Fees" below). This is for original applications except applications for a design patent, filed on or after 2,2000, wherein a paper containing only an Information Disclosure Statement in compliance CFR 1.97 and 1.98 is being filed.					
Copi	es of the	References					
\boxtimes	PCT/J	y of the International Search Report for the underlying PCT application P03/12711 is enclosed herewith. The references cited in the International Report are references BK, BH, BL, and BS listed on the enclosed Form 1449.					
\boxtimes	enclos BL, ar	s of references AM, BA, BE, BK, BL, BH, BS, BV, and BW listed on the ed Form 1449 are enclosed herewith. As indicated above, references BK, BH, and BS are cited in the International Search Report for the underlying PCT ation PCT/JP03/12711.					
	Form	s of U.S. patents and patent applications that are listed on the accompanying 1449 are not enclosed herewith. Copies of other references identified on the panying Form 1449 are enclosed herewith.					
\boxtimes	explan abstrac patent	ch reference not in the English language, Applicants are submitting a concise lation of relevance, an English-language equivalent/patent, an English-language et, or an English-language version of the search report or action by a foreign office in a counterpart foreign application indicating the degree of relevance by the foreign office pursuant to 37 CFR 1.98(a)(3).					
\boxtimes		nces AA - BJ and BM - CL listed on the enclosed Form 1449 were previously ied in the parent applications of the present application, and copies of the					

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references were furnished at that time. Accordingly, copies of the references are not submitted herewith except as noted above, so as not to burden the file of the present application. Copies of references BK and BL were identified in the enclosed International Search Report and are enclosed herewith. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

	U.S. APPL	ICATIONS	STATUS (check one)			
	U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
1.	10/038,918	Jan. 3, 2002			X	
2.	10/264,505	Oct. 4, 2002		X		
3.						

Statement under 37 CFR 1.97(e)

	Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
	The undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
Stater	nent under 37 CFR 1.704(d)
	The undersigned hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
Fees	
	No fee is owed by the applicant(s). Charge Deposit Account No. 12-1216 in the amount of \$180.00 (37 CFR 1.17(p)). (A duplicate copy of this communication is enclosed for that purpose.)

In re Appln. of Tanaka et al. Application No. 10/530,169

Authorization to	Charge	Additional	Fees
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If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

Instructions as to Overpayment

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John Kilyk, Jr., Reg. No. 30, 63 LWYDIG, VOIT & MAYER, LTD. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780 (312) 616-5600 (telephone) (312) 616-5700 (facsimile)

Date: October 27, 2006

MA	ILING/TRANSMISSION CERTIFICAT	E UNDER 37 C	FR 1.8 OR 1.10
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Name (Print/Type)	John Kilyk, Jr.		
Signature	John Kell, h.	Date	October 27, 2006

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INFORMATION DISCLOSURS STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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	Complete if Known
Application Number	10/530,169
Filing Date	July 18, 2005
First Named Inventor	Tanaka et al.
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	235032
Client Reference No.	201323

				U.S. PATENT DOCUMENTS		
Examiner	Doc.	U.S. Patent Doo Application or	T		Date of	Filing Date If
Initials	No.	Patent Number	Kind Code	Name of Patentee or Applicant	Publication	Appropriate
	AA	2002/0177242	A1	Hutchens et al.	Nov. 28, 2002	
	AB	2002/0155620	A1	Hutchens et al.	Oct. 24, 2002	
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	AR	6,124,137		Hutchens et al.	Sep. 26, 2000	
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	AX	6,761,902	B2	Sodroski et al.	Jul. 13, 2004	

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		F	oreign Patent Documer	nt			Translation	
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+
	AY	DE	40 17 805	A1	Finnigan Mat GmbH	Mar. 7, 1991		
	AZ	GB	2 236 185	Α	Finnigan Mat GmbH	Mar. 27, 1991		
	BA	GB	2 312 782	Α	Bruker-Franzen Analytik GmbH	Nov. 5, 1997		
	вв	JP	07-118142	A2	Kao Corporation	May 9, 1995		
	вс	JP	07-267996	A2	Res Dev Corp of Japan	Oct. 17, 1995		
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	BE	wo	94/28418	A1	Baylor College of Medicine	Dec. 8, 1994		
	BF	wo	01/47947	A2	Amersham Pharmacia Biotech AB	Jul. 5, 2001		
	BG	wo	01/49265	A1	Dana-Farber Cancer Institute, Inc.	Jul. 12, 2001		
	вн	wo	00/45168	A1	Universite De Geneve	Aug. 3, 2000		
	ВІ	wo	02/056026	A1	Mitsubishi Pharma Corporation	Jul. 18, 2002		

Examiner Signature	Date Considered	

A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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7	Complete if Known
Application Number	10/530,169
Filing Date	July 18, 2005
First Named Inventor	Tanaka et al.
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	235032
Client Reference No.	201323

	BJ	wo	00/43791	A2	Minerva Biotechnologies Corporation	Jul. 27, 2000	
Γ	вк	wo	00/66265	A2	Ciphergen Biosystems, Inc.	Nov. 9, 2000	
T	BL	wo	01/71326	A2	Ciphergen Biosystems, Inc.	Sep. 27, 2001	

		OTHER - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	slation
Examiner Initials	Doc. No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No**
	ВМ	SINGH et al., "Gangliosides as Receptors for Biological Toxins: Development of Sensitive Fluoroimmunoassays Using Ganglioside-Bearing Liposomes," <i>Analytical Chemistry</i> , 72 (24), 6019-6024 (December 15, 2000)		
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	ВО	DALENÇON et al., "Liposomes Bearing Platelet Proteins: A Model for Surface Functions Studies," <i>Biochimica et Biophysica Acta</i> , 1302, 241-248 (1996)		
-	BP	SUZUKI et al., "Mechanism of Selective Release of Membrane Proteins from Human Erythrocytes in the Presence of Liposomes," <i>Archives of Biochemistry and Biophysics</i> , 379 (2), 344-352 (July 15, 2000)		
	BQ	SHINGLES et al., "Production of Membrane Vesicles by Extrusion: Size Distribution, Enzyme Activity, and Orientation of Plasma Membrane and Chloroplast Inner-Envelope Membrane Vesicles," <i>Analytical Biochemistry</i> , 229, 92-98 (1995)		1
	BR	TRAINI et al., "Towards an Automated Approach for Protein Identification in Proteome Projects," <i>Electrophoresis</i> , 19, 1941-1949 (1998)		
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	ВТ	LOO et al., "Diffusive Transfer to Membranes as an Effective Interface Between Gel Electrophoresis and Mass Spectrometry," International Journal of Mass Spectrometry and Ion Processes, 169/170, 273-290 (1997)		
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	BV	ECHERSKORN et al., "Analysis of Proteins by Direct-Scanning Infrared-MALDI Mass Spectrometry after 2D-PAGE Separation and Electroblotting," <i>Anal. Chem.</i> , <i>69</i> , 2888-2892 (1997)		
	BW	BIENVENUT et al., "Toward a Clinical Molecular Scanner for Proteome Research: Parallel Protein Chemical Processing before and during Western Blot," <i>Analytical Chemistry</i> , 71 (21), 4800-4807 (November 1, 1999)		
	BX	BINZ et al., "A Molecular Scanner to Automate Proteomic Research and to Display Proteome Images," <i>Analytical Chemistry</i> , 71 (21), 4981-4988 (November 1, 1999)		
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	BZ	MIRZABEKOV et al., "Paramagnetic Proteoliposomes Containing a Pure, Native, and Oriented Seven-Transmembrane Segment Protein, CCR5," Nature Biotechnology, 18, 649-654 (2000)		

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⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	CA	HAN et al., "Quantum-dot-tagged microbeads for multiplexed optical coding of biomolecules," <i>Nature Biotechnology</i> , 19, 631-635 (July 2001)	
	СВ	FULTON et al., "Advanced multiplexed analysis with the FlowMetrix system," Clinical Chemistry, 43 (9), 1749-1756 (1997)	
	CC	FUNG et al., "Protein biochips for differential profiling," <i>Analytical Biotechnology</i> , 12, 65-69 (2001)	
	CD	ZHOU et al., "Solution and chip arrays in protein profiling," TRENDS in Biotechnology, 19 (10 – Suppl.), S34-S39 (October 2001)	
i	CE	GYGI et al., "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags," <i>Nature Biotechnology</i> , 17, 994-999 (October 1999)	·
	CF	CHEN et al., "Interaction of 11-cis-Retinol Dehydrogenase with the Chromophore of Retinal G Protein-coupled Receptor Opsin," <i>Journal of Biological Chemistry</i> , 276 (24), 21098-21104 (June 15, 2001)	
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	СН	OSHRY et al., "Annexin-mediated membrane fusion of human neutrophil plasma membranes and phospholipid vesicles," <i>Biochimica et Biophysica Acta</i> , 1066, 239-244 (1991)	
	CI	ZHU et al., "Global Analysis of Protein Activities Using Proteome Chips," Science, 293, 2101-2105 (September 14, 2001)	
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	CL	HEYSE et al., Biochemistry, 37: 507-522 (1998)	

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